

Title (en)
PLASTIC LENS

Title (de)
KUNSTSTOFFLINSE

Title (fr)
LENTILLE PLASTIQUE

Publication
EP 2214035 A4 20100804 (EN)

Application
EP 07790786 A 20070713

Priority
• JP 2007064006 W 20070713
• JP 2006193561 A 20060714
• JP 2007173062 A 20070629

Abstract (en)
[origin: US2009311536A1] A plastic lens is provided which is excellent in abrasion resistance, transparency and appearance, and the plastic lens contains, as a substrate, a lens containing a resin having an NHCO structure and a resin containing a specific monomer, and a cured film having an NHCO structure formed by reacting a coating composition directly on the substrate, the coating composition containing a component (i) that is at least one selected from a specific organosilicon compound and a hydrolysate thereof, a component (ii) that is at least one selected from an amino group-containing organic compound, a hydroxyl group-containing organic compound, a mercapto group-containing organic compound, an amino group-containing organosilicon compound, a hydroxyl group-containing organosilicon compound and a mercapto group-containing organosilicon compound, and a component (iii) that is at least one selected from an isocyanate group-containing organic compound and an isocyanate group-containing organosilicon compound.

IPC 8 full level
G02B 1/04 (2006.01); **B82Y 20/00** (2011.01); **B82Y 30/00** (2011.01); **C08G 18/38** (2006.01); **C08G 18/71** (2006.01); **C08G 18/76** (2006.01); **C08G 75/06** (2006.01); **C08J 7/043** (2020.01); **C08J 7/044** (2020.01); **C08J 7/046** (2020.01); **C08J 7/054** (2020.01); **C08J 7/12** (2006.01); **G02B 1/10** (2015.01); **G02B 1/14** (2015.01); **G02B 3/00** (2006.01); **G02C 7/02** (2006.01)

CPC (source: EP US)
C08J 7/0427 (2020.01 - EP US); **C08J 7/043** (2020.01 - EP US); **C08J 7/044** (2020.01 - EP US); **C08J 7/046** (2020.01 - EP US); **C08J 7/054** (2020.01 - EP US); **G02B 1/041** (2013.01 - EP US); **C08J 2483/00** (2013.01 - EP US); **Y10T 428/31562** (2015.04 - EP US); **Y10T 428/31663** (2015.04 - EP US)

Citation (search report)
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• [Y] US 5165992 A 19921124 - YAJIMA EIICHI [JP]
• [Y] EP 0627636 A2 19941207 - NIPPON KOGAKU KK [JP]
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• [A] US 5087758 A 19920211 - KANEMURA YOSHINOBU [JP], et al
• See references of WO 2008007779A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2009311536 A1 20091217; CN 101490582 A 20090722; CN 101490582 B 20101208; EP 2214035 A1 20100804; EP 2214035 A4 20100804; EP 2214035 B1 20170830; JP 5337486 B2 20131106; JP WO2008007779 A1 20091210; WO 2008007779 A1 20080117

DOCDB simple family (application)
US 37376007 A 20070713; CN 200780026723 A 20070713; EP 07790786 A 20070713; JP 2007064006 W 20070713; JP 2008524860 A 20070713